

170. The process of Claim 160 wherein the ^{extracting}~~recovering~~ step comprises subliming the carbon allotrope from the sooty carbon product and condensing the sublimed carbon allotrope.

171. The process of Claim 160 wherein the carbon source is vaporized in an evacuated reactor.

172. The process of Claim 160 wherein the carbon source subject to vaporization is graphite, or amorphous or glassy carbon.

173. The process of Claim 172 wherein the carbon source subject to vaporization is graphite.

174. The process of Claim 173 in which the graphite is in the form of graphite rods.

175. The process of Claim 160 in which the carbon source is vaporized by passing an electrical current of sufficient intensity through said carbon source to produce the sooty carbon product.

176. The process of Claim 175 wherein the electrical current is about 100 amps.

177. The process of Claim 160 wherein the inert gas is a noble gas.

178. The process of Claim 177 wherein the noble gas is helium or argon.

179. The process of Claim 169 wherein the non-polar organic solvent is carbon disulfide, benzene, carbon-tetrachloride, toluene, xylene, alkane having 5-10 carbon atoms or 1,1,1-trichloroethane.

180. The process of Claim 169 in which the separating step comprises extracting the carbon allotrope from the carbon sooty product and evaporating the solvent.--

REMARKS

In the Preliminary Amendment, applicants have cancelled Claims 1-13 without prejudice. However, applicants

have not abandoned the subject matter therein, and reserve the right to file a continuation application directed thereto.

The Preliminary Amendment is directed to embodiments for which there is sufficient support in the present application, as shown in the following table.

CLAIM	SUPPORT
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48	Page 5, line 18 to Page 6, line 20, Page 7, lines 10-11
49	Page 5, line 29-Page 6, line 6
50	Page 3, line 26 to Page 7, line 20
51	Page 7, lines 11-15, FIGS. 1-4, Page 16, lines 20-25
52	Page 5, line 18 to Page 6, line 20, Page 7, lines 10-11
53	Page 5, line 18 to Page 6, line 20, Page 7, lines 10-11
54	Page 5, line 29-Page 6, line 6
55	Page 7, lines 10-16, Page 8, line 6 to Page 11, line 14, FIGS. 1, 2
56	Claim 26, Page 7, lines 18-20
57	Page 16, lines 1-25, Claim 26, Page 7, lines 10-25
58	Page 5, lines 9-28, Page 6, lines 6-25, Page 13, line 32 to Page 14, line 29
59	Page 5, lines 9-28, Page 6, lines 6-25, Page 13, line 32 to Page 14, line 29
60	Page 13, line 32 to Page 14, line 29, Claim 32
61	Claims 28, 32, Page 14, lines 14-28
62	Page 5, line 29 to Page 6, line 6, Claim 1
63	Page 5, lines 25-28

64	Page 7, lines 15-19
65	Page 16, lines 11-14
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67	Page 3, lines 30-32
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69	Page 6, lines 23-26
70	Page 4, lines 1-4
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77	Claim 5, Page 6, lines 3-6
78	Page 6, lines 16-20
79	Page 13, line 32-Page 14, line 3
80	Page 13, line 32-Page 14, line 3
81	Page 7, lines 15-18
82	Page 6, lines 16-21, Page 7, lines 15-18
83	Page 3, lines 26-35, Page 5, lines 9 to Page 6, line 1, Page 6, line 22-Page 7, line 25, Page 16, lines 1-21
84	Page 3, line 26 to Page 7, line 20, Page 16, lines 1-21
85	Page 7, lines 11-15, FIGS. 1-4, Page 16, lines 20-25
86	Claim 26, Page 7, lines 18-20
87	Page 16, lines 1-25, Claim 26, Page 7, lines 19-25
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89	Page 5, lines 9-28, Page 6, lines 6-25
90	Page 5, lines 9-28, Page 6, lines 6-25, Page 13, line 32 to Page 14, line 29
91	Page 13, line 32 to Page 14, line 19, Claim 32
92	Claims 28, 32, Page 14, lines 14-28

93	Page 5, line 29 to Page 6, line 6, Claim 1
94	Page 5, lines 25-28
95	Page 7, lines 15-19
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97	Page 3, lines 30-32
98	Page 3, lines 30-32
99	Page 4, lines 8-10
100	Page 6, lines 23-26
101	Page 4, lines 1-4
102	Page 4, lines 1-10
103	Page 16, lines 1-10
104	Page 4, lines 11-12
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108	Claim 5, Page 6, lines 3-6
109	Page 6, lines 16-20
110	Page 13, line 32-Page 14, line 3
111	Page 13, line 32-Page 14, line 3
112	Page 7, lines 15-18
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114	Page 3, lines 26-35, Page 5, line 9-Page 6, line 1, Page 6, line 22-Page 7, line 25, Page 11, lines 4-21
115	Page 7, lines 11-15, FIGS. 1-4, Page 16, lines 20-25
116	Page 5, line 18 to Page 6, line 20, Page 7, lines 10-11
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119	Page 3, lines 26-35, Page 5, lines 9-Page 6, line 1, Page 6, line 22-Page 7, line 25, Page 11, lines 4-21, Page 16, lines 1-21
120	Page 3, line 26 to Page 7, line 20, Page 11, lines 4-21
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122	Page 5, line 18 to Page 6, line 20, Page 7, lines 10-11
123	Page 5, line 18 to Page 6, line 20, Page 7, lines 10-11
124	Page 3, lines 26-35, Page 5, line 9-Page 6, line 1, Page 6, line 22 to Page 7, line 25, Page 16, lines 1-21, Page 18, line 26, Claim 27
125	Page 3, lines 26-35, Page 5, line 9 to Page 6, line 1, Page 6, line 22 to Page 7, line 25, Page 16, lines 1-21, Page 18, line 26, Claim 27
126	Page 3, lines 26-35, Page 5, line 9-Page 6, line 1, Page 6, line 22-Page 7, line 25, Page 18, line 26, Claim 27
127	Page 3, line 26 to Page 7, line 20, Page 18, line 26, Claim 27
128	Page 7, lines 11-15, FIGS. 1-4, Page 16, lines 20-25
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132	Page 3, lines 26-35, Page 5, line 9 to Page 6, line 1, Page 6, line 22 to Page 7, line 25
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134	Page 3, line 26, to Page 7, line 20
135	Page 7, lines 11-15, FIGS. 1-4, Page 16, lines 20-25,
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138	Page 3, lines 26-35, Page 5, lines 9-Page 6, line 1, Page 6, line 22-Page 7, line 25
139	Page 3, lines 26-35, Page 5, line 9-Page 6, line 1, Page 6, line 22-Page 7, line 5, Page 11, lines 4-21

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141	Page 3, lines 26-35, Page 5, line 9 to Page 6, line 1, Page 6, line 22 to Page 7, line 5
142	Page 3, lines 26-35, Page 5, line 9 to Page 6, line 1, Page 6, line 22 to Page 7, line 25, Page 16, lines 1-21
143	Page 3, lines 26-35, Page 5, line 9 to Page 6, line 1, Page 6, line 22 to Page 7, line 25, Page 11, lines 4-21
144	Page 3, lines 26-35, Page 5, line 9 to Page 6, line 1, Page 6, line 22 to Page 7, line 25, Page 18, line 26, Claim 27
145	Page 3, lines 26-35, Page 5, line 9 to Page 6, line 1, Page 6, line 22 to Page 7, line 25, Page 16, lines 1-21
146	Page 5, lines 9-28, Page 6, lines 6-25
147	Page 4, lines 8-10
148	Page 6, lines 23-26
149	Page 4, lines 1-4
150	Page 3, lines 30-32
151	Page 3, lines 30-32
152	Page 4, lines 11-12
153	Page 4, lines 11-12
154	Page 5, lines 8-17, Page 7, lines 6-9
155	Page 7, lines 6-9, Page 5, lines 8-17
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158	Page 4, lines 1-10
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160	Page 3, lines 26-35, Page 5, lines 9-29, Page 6, line 22 to Page 7, line 25, Page 11 lines 4-21, Page 5, line 30, Page 6, line 1, Page 18, line 26, Claim 27
161	Page 7, lines 11-15, FIGS. 1-4, Page 16, lines 20-25
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163	Page 7, lines 11-15, FIGS. 1-4, Page 16, lines 20-25
164	Page 7, lines 10-16, Page 8, line 6 to Page 11, line 14, FIGS. 1, 2
165	Claim 26, Page 7, lines 18-25, Page 16, lines 1-25
166	Claim 26, Page 7, lines 18-25, Page 16, lines 1-25
167	Page 7, lines 11-15, FIGS. 1-4, Page 16, lines 20-25
168	Page 5, lines 18 to Page 6, line 17, Page 13, line 32 to Page 14, line 29, Claims 32 and 34
169	Page 5, line 29 to Page 6, line 6, Claim 1
170	Page 7, lines 15-19
171	Page 3, lines 30-32
172	Page 4, lines 8-10
173	Page 6, lines 23-26
174	Page 4, lines 1-4
175	Page 4, lines 1-10
176	Page 16, lines 1-10
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Thus, no new matter has been added to the specification.

Consequently, in view of the amendments to the claims and the remarks herein, it is respectfully submitted that the present case is in condition for allowance, which action is earnestly solicited.

Respectfully submitted,



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